Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Message Text

SECRET

PAGE 01 MOSCOW 16274 01 OF 02 251709Z

50
ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 CIAE-00 DODE-00 INRE-00

AECE-00 /026 W
---------- 124551
O 251515Z OCT 74
FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC IMMEDIATE 3905

S E C R E T SECTION 1 OF 2 MOSCOW 16274

EXDIS

E.O. 11652: XGDS-3
TAGS: US, UR, PARM, OEXD
SUBJECT: TTBT/PNE NEGOTIATIONS - SUMMARY OF OCT 25 PLENARY
PNE MESSAGE NUMBER THIRTY-FOUR

FOR SECRETARY'S PARTY

1. TENTH PLENARY CONVENED 10:30 A.M., OCT 25, WITH
BUCHHEIM AS CHAIRMAN.

2. BUCHHEIM READ FOLLOWING PREPARED STATEMENT.

BEGIN TEXT. GOOD MORNING, MR. MINISTER. THIS MORNING
DR. FLEMING WILL OFFER SOME COMMENTS AS REQUESTED ON THE
YIELD LIMITS CONTAINED IN DR. MYASNIKOV'S USEFUL AND
INTERESTING PRESENTATION. I BELIEVE IT IS CLEAR, AS
DR. MYASNIKOV OBSERVED AT OUR LAST MEETING, THAT THE
US AND SOVIET UNION DO HAVE SIMILAR TECHNICAL ESTIMATES
OF THE MAXIMUM YIELD NEEDED FOR CONTAINED UNDERGROUND
APPLICATIONS OF NUCLEAR EXPLOSIONS. THIS MAXIMUM YIELD
IS 100 KILOTONS.

THIS FACT PROMPTS ME TO ASK WHETHER WE ARE IN A POSITION
TO REPORT TO OUR RESPECTIVE GOVERNMENTS THAT, CONTIN-
GENT UPON DEVELOPMENT OF ADEQUATE VERIFICATION ARRANGE-
MENTS FOR THE PURPOSE OF A PNE AGREEMENT, YIELDS FOR
SECRET

SECRET

PAGE 02 MOSCOW 16274 01 OF 02 251709Z

THE CONTAINED UNDERGROUND APPLICATIONS OF NUCLEAR

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

EXPLOSIONS COULD BE LIMITED TO A MAXIMUM OF 100
KILOTONS.

AT THIS TIME, I WOULD LIKE TO ASK DR. FLEMING FOR HIS
PRESENTATION. THEN DR. ROMNEY WILL HAVE SOME QUESTIONS
ON THE GROUP EXPLOSION ASPECT OF DR. MYASNIKOV'S
PRESENTATION.

END TEXT. SOVIETS DID NOT RESPOND.

3. FLEMING READ PREPARED STATEMENT COMMENTING ON MYASNI-
KOV STATEMENT OF OCT 23. BRIEF COMMENTS WERE MADE ON
EACH OF CONTAINED APPLICATIONS LISTED BY MYASHNIKOV, AND
CONFIRMED THAT US INTEREST IN CONTAINED APPLICATIONS
RESTRICTED TO YIELDS NO MORE THAN 100 KILOTONS. GENERAL
COMMENT ON EXCAVATION WAS THAT MAXIMUM YIELDS WERE FUNC-
TION OF GEOPHYSICAL PARAMETERS UNKNOWN TO US AND WE COULD
OFFER NO JUDGMENT.

4. ROMNEY ASKED SERIES OF QUESTIONS TO ATTEMPT TO
CLARIFY THE MAXIMUM INDIVIDUAL EXPLOSION YIELD WITHIN
GROUPS. ALSO ASKED FOR TIME INTERVAL AND DISTANCE
BETWEEN EXPLOSIONS, AND WHETHER CONTAINED APPLICATION
WOULD INVOLVE GROUPS OF EXPLOSIONS.

5. MYASNIKOV IN REPLY SAID SUCH INFORMATION BELONGED IN
CATEGORY OFJOINT COOPERATION.

6. MOROKHOV SAID THAT WAS MYASNIKOV'S PERSONAL VIEW.
SAID FLEMING STATEMENT CONFIRMED THAT US AND SOVIET SIDE
HAD SIMILAR ESTIMATES ON MAXIMUM YIELD NEEDED FOR CON-
TAINED EXPLOSIONS. THOUGH SOME DIFFERENCES EXIST, THEY ARE NOT
IMPORTANT FOR PURPOSES OF THIS DISCUSSION ON VERIFICATION.
ROMNEY'S QUESTIONS WOULD BE STUDIED, BUT IT WAS NOT
CLEAR WHAT THE RELATION OF INFORMATION REQUESTED WAS
TO VERIFICATION AND ASKED ROMNEY TO EXPLAIN.

7. MOROKHOV EXPRESSED APPRECIATION FOR US INTEREST IN
THEIR IDEAS ON AN AGREEMENT FOR COOPERATION. HE ASKED
TIMERBAEV TO READ STATEMENT THEY HAD PROMISED FOR TODAY
SECRET

SECRET

ON AN AGREEMENT FOR COOPERATION. (HE LATER EXPLAINED HE
DID NOT FEEL WELL AND BECAUSE OF THIS ASKED TIMERBAEV
TO READ STATEMENT.)

8. VERBATIM OF TIMERBAEV'S STATEMENT FOLLOWS:

BEGIN TEXT. AS MENTIONED ON THE 23RD OF OCTOBER WE
WOULD LIKE TO REVIEW THE POSSIBILITY OF US-SOVIET COOPERA-

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

TION AGREEMENT ON PNES. THEREFORE WE WOULD LIKE TO SHARE WITH YOU OUR PRELIMINARY THOUGHTS ON THE SUBJECT. I STRESS THAT THESE IDEAS ARE NOT FINAL AND ARE DESIGNED ONLY FOR DISCUSSION. IN TURN WE WOULD LIKE TO HEAR YOUR VIEWS ON COOPERATION IN THIS IMPORTANT AREA OF DEVELOPVING SCIENTIFIC AND TECHNICAL COOPERATION.

IT IS EVIDENT THAT THE POSSIBLITY OF AN AGREEMENT BETWEEN OUR TWO COUNTRIES ON UTILIZATION OF PNES COULD SET FIRM FOUNDATIONS AND A SOLID LEGAL BASIS FOR US-SOVIET COOPERATION IN THE AREA OF TECHNOLOGICAL AND ECONOMIC PROGRESS. THE STRUCTURE OF SUCH AN AGREEMENT WOULD BE AS FOLLOWS: THE PREAMBLE WOULD CONTAIN GENERAL PROVISIONS. IT WOULD NOTE THAT PNES WILL MAKE A SIGNIFI-CANT CONTRIBUTION TO CARRYING OUT IMPORTANT TASKS OF CREATIVE NATURE. REFERENCE WOULD BE MADE TO US-SOVIET BILATEALS ON SCIENTIFIC AND TECHNICAL COOPERATION IN PEACEFUL USES OF ATOMIC ENERGY OF 6/21/73 AND TO LONG RANGE US-SOVIET AGREEMENT ON ECONOMIC, INDUSTRIAL AND TECHNICAL COOPERATION OF JUNE 29, 1974. IN ACCEPTABLE MANNER, THE PREAMBLE WOULD ALSO CONFIRM ADHERENCE TO PURPOSE AND PROVISIONS OF LTBT AND NPT, AND IT WOULD REFER TO OBLIGATIONS OF TWO SIDES TO IMPLEMENT ARTICLE III OF TTBT. IT WOULD ALSO STRESS THE ROLE OF IAEA IN UTILIZATION OF ATOMIC ENERGY FOR PEACEFUL URPOSES. THE PREAMBLE COULD ALSO INCLUDE OTHER PROVISION REFERRING TO THE SUBSTANCE AND GOALS OF THE AGREEMENT.

AS TO THE OPERATIVE PART OF A POSSIBLE AGREEMENT OF COOPERATION WE WOULD DECLARE THAT US AND USSR ARE WILLING TO UNDERTAKE BROAD COOPERATION ON USE OF PNES ON BASIS OF MUTUAL BENEFIT, EQUALITY, AND RECIPROCITY. ONE OF THE BASIC SECTIONS OF THE POSSIBLE AGREEMENT OF COOPERA-

SECRET

TION WOULD DEAL WITH PROVISIONS TO IMPLEMENT ARTICLE III OF TTBT. THE MAIN PURPOSE WOULD BE TO ASSURE THAT BOTH SIDES WERE SATISFIED OF THE PEACEFUL PURPOSES OF NUCLEAR EXPLOSIONS.

HERE WE NEED TO MENTION THE NEED TO EXCHANGE INFORMATION TO FACILITATE VERIFICATION. THE SOVIET SIDE IN REMARKS BY MOROKHOV AND IN PRESENTATION BY SAFRONOV AND MYASNIKOV HAS DISCUSSED THIS; THEREFORE I WILL NOT DWELL ON IT IN DETAIL. I ENVISGE AN EXCHANGE OF APPROPRIATE INFORMA-TION AD STRESS THAT A COOPERATION AGREEMENT THAT PROVIDES FOR A BROAD EXCHANGE OF SCIENTISTS, SPECIALISTS AND PRESENTATIVES WILL FACILITATE THE TASK OF CONVINCING BOTH SIDES THAT NUCLEAR EXPLOSIONS ARE USED FOR TRULY PEACEFL PURPOSES.

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

THE AGREEMENT SHOULD MENTION SPECIFIC AREAS OF COOPERATION WHICH ECONOMICALLY WARRANT USES OF PEACEFUL NUCLEAR EXPLOSIONS: UNDERGROUND STORAGE FOR GAS, OIL AND OTHER LIQUIDS; STIMULATION OF OIL AND GAS; INCREASE OF ROCK PERMEABILITY; ROCK FRACTURING FOR MINING

SECRET

NNN

SECRET

PAGE 01 MOSCOW 16274 02 OF 02 251537Z

50
ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 CIAE-00 DODE-00 INRE-00

AECE-00 /026 W
---------- 123513
O 251515Z OCT 74
FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC IMMEDIATE 3906

S E C R E T SECTION 2 OF 2 MOSCOW 16274

EXDIS

PURPOSES; OVERBURDEN REMOVAL IN OPEN PITS; EXCAVATION OF CANALS; HARBORS AND DAM BUILDING; CONTROL OF RUNAWAY OIL AND GAS WELLS AND OTHER ECONOMICALLY ATTRACTIVE NEEDS. WE WILL ALSO INCLUDE PROVISIONS FOR PNE SAFETY. THESE ARE THE MOST ECONOMICALLY ATTRACTIVE BUT I STRESS THAT SOME BIG PROJECTS SUCH AS CANALS, BREAKING ORE AND REMOVAL OF OVERBURDEN CAN ONLY BE

REALIZED THIS WAY BECAUSE TIME AND COSTS WOULD BE TOO HIGH WHEN DONE BY CONVENTIONAL METHODS.

THE AGREEMENT COULD ALSO REFLECT FORMS OF BILATERAL COOPERATION THAT MIGHT INVOLVE: EXCHANGE OF SCIENTIFIC AND TECHNICAL INFORMATION, DOCUMENTS, RESULTS OF RESEARCH IN PNE APPLICATIONS, ORGANIZATION OF SYMPOSIA, CONSULTATIONS, WORKING GROP MEETINGS; NEXT, ORGANIZATION OF JOINT SCIENTIFIC RESEARCH WORK IN SCIENTIFIC CENTERS OF THE TWO COUNTRIES; EXCHANGE OF PNE PROJECTS INCLUDING WORKING GROUPS CONSISTING OF SCIENTISTS AND ENGINEERS IN CARRYING OUT JOINT PROJECTS IN THE US AND IN THE USSR AS WELL AS IN

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

THIRD COUNTRIES AS STATED IN ARTICLE V OF NPT. WE WOULD ALSO EXCHANGE SAMPLES OF EQUIPMENT AND INSTRUMENTS AND, AGAIN, EXCHANGE OF SCIENTISTS, ENGINEERS AND REPRESENTATIVES.

SECRET

SECRET

TAKING INTO ACCOUNT THE EXTREME IMPORTANCE OF THE NPT, THE AGREEMENT SHOLULD INCLUDE PROVISIONS THAT SIDES WILL TAKE STEPS TO ENSURE THAT BENFITS OF PNES ARE AVAILABLE TO OTHER COUNTRIES IN ACCORDANCE WITH ARTICLE V OF PNPT. COOPERATION INVOLVING IAEA AND OTHERINTERNATIONAL ORGANIZATIONS SHOULD BE MENTIONED.

THIS POSSIBLE AGREEMENT ON COOPERATION COULD ALSO INCLUDE OTHER ITEMS, WE ONLY INCLUDED WHAT WE THOUGH TO BE IMPORTANT AT THIS STAGE BUT WE APPROACH IT WITH AN OPEN MIND AND WITHOUT ANY PRECONCEIVED IDEAS. WE MUST BEAR IN MIND THE GREAT BENEFITS THAT THIS WOULD BRING TO THE US-USSR AND OTHER COUNTRIES BECAUSE THERE ARE NO LIMITS TO SCIENTIFIC AND TECHNICAL PROGRESS. IF WE TAKE THE ISSUE IN HAND AND DETERMINE ITS DIRECTION THIS WILL HELP US TO CONSOLIDATE THE NPT REGIME, WHICH IS A VERY IMPORTANT QUESTION. THANK YOU FOR YOUR ATTENTION.

9. BUCHHEIM ASKED THAT THE PHRASE "EXCHANGE OF PROJECTS" BE CLARIFIED. AFTER SOME DISCUSSION IT WAS APPARENT THAT THIS MEANT EXCHANGE OF DETAILED PLANS, STUDIES, AND DOCUMENTATION ON PROJECTS. THEY GAVE AS ONE EXAMPLE THE EXCHANGE OF PLANS WITH THE FRENCH OF PHOENIX AND BM 600 FAST BREEDER REACTORS. IN THE CASE OF PNES THIS COULD BE THE EXCHANGE OF PLANS OF PROJECTS OF DIFFERENT CHARACTER, THE DETERMINING FACTOR BEING THE INTEREST OF THE OTHER PARTY; E.G., EXCHANGE OF A PLAN FOR GAS AND OIL STIMULATION FOR ONE ON CONSTRUCTION OF CAVITIES. ANOTHER EXAMPLE WAS THE EXCHANGE OF PLANS FOR THE PANAMA CANAL PROJECT FOR ONE ON THEDIVISION OF NORTHERN RIVERS TO THE CASPIAN SEA.

10. BUCHHEIM ASKED RELATIVE TO PROVISION OF SERVICES UNDER ARTICLE V OF THE NPT WHETHER THAT MEANT TO ANY STATE. MOROKHOV SAID THAT IS A SUBJECT FOR MUTUAL AGREEMENT. IN ANY CASE, SERVICES WOULD BE MADE UNDER VERIFICATION ENVISAGED BY NPT.

11. ROMNEY THEN EXPLAINED HOW HIS EARLIER QUESTIONS RELATED TO VERIFICATION. MOROKHOV SAID HE THOUGHT QUESTIONS WERE LEGITIMATE AND SHOULD BE ADDRESSED AT

SECRET

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

SUBSEQUENT MEETING.

12. MEETING CONCLUDED 12 NOON. NEXT MEETING, TUESDAY, OCT 29, AT 3:00 P.M

13. REFTEL STATE 234728, PLEASE SERIALIZE YOUR CABLES ON TTB/PNE MATTERS. SINCE NEXT MEETING NOT SCHEDULE D UNTIL TUESDAY OCTOBER 29, INGLEY WILL RETURN ASAP.

14. REFTEL STATE 235238 (SERIALIZED AS PNE MESSAGE NUMBER THIRTEEN), IN OBSERVATION (E) OF PARA 1, MOSCOW 16041, MOROKHOV WAS REFERRING TO SOVIET VIEW THAT US ORIGINATED CONCEPT OF OBSERVERS, NOT SOVIETS. THIS IS CONSISTENT WITH EARLIER REPORTING IN MOSCOW 15860. WITH REGARD TO OBSERVATION (D), THIS IS A STATEMENT THAT REAFFIRMS SOVIET VIEW THAT THEY ALSO BELIEVE THAT PNES MUST NOT BE USED FOR WEAPONS PURPOSES.

15. PLEASE PASS TO AEC. PLEASE KEEP FLEMING ADVISED ON RIO BLANCO STATUS AT LEAST ONCE A WEEK.
STOESSEL

NNN

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Message Attributes

Automatic Decaptioning: Z
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: INSTRUCTIONS, PEACEFUL NUCLEAR EXPLOSIONS, MEETING DELEGATIONS, NEGOTIATIONS
Control Number: n/a
Copy: SINGLE
Draft Date: 25 OCT 1974
Decaption Date: 28 MAY 2004
Decaption Note: 25 YEAR REVIEW
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: golinofr
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1974MOSCOW16274
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: X3
Errors: N/A
Film Number: D740305-0973
From: MOSCOW
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1974/newtext/t19741016/aaaaanhl.tel
Line Count: 303
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION SS
Original Classification: SECRET
Original Handling Restrictions: EXDIS
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 6
Previous Channel Indicators:
Previous Classification: SECRET
Previous Handling Restrictions: EXDIS
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: golinofr
Review Comment: n/a
Review Content Flags:
Review Date: 27 MAR 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <27 MAR 2002 by elyme>; APPROVED <23 MAY 2002 by golinofr>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: TTBT/PNE NEGOTIATIONS - SUMMARY OF OCT 25 PLENARY PNE MESSAGE NUMBER THIRTY-FOUR
TAGS: PARM, OEXC, US, UR
To: STATE
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005